

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 62-273039

(43)Date of publication of application : 27.11.1987

(51)Int.Cl.

B01D 53/36
// B01J 23/74

(21)Application number : 61-116711

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(22)Date of filing : 21.05.1986

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(54) DECOMPOSITION OF NITROGEN TRIFLUORIDE

(57)Abstract:

PURPOSE: To efficiently decompose NF₃, by contacting NF₃-containing gas with a substance based on at least one or more kind of a reducing catalyst, alumina and silica.

CONSTITUTION: At least one kind of a reducing catalyst such as Ni, Fe, Co, Pt, Rh or Pd infiltrated in diatomaceous earth or alumina or an alumina gel, a silica gel or zeolite based on alumina or silica is contacted with NF₃- containing gas at 20°C for more. By this method, NF₃ is decomposed and a component other than N₂ becomes hard to generate.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]